

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	7145	"429"/\$.ccls. and (non \$1aqueous near4 (battery batteries cell))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/21 09:39
L6	337	5 and (((end final) near2 charge) with voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/21 09:39
L7	5	6 and (((end final) near2 charge) with voltage) same "4.4V")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/21 09:40
L8	5	5 and (((end final) near2 charge) with voltage) same "4.4V")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/21 09:41
L9	0	6 and "4.5\$1V"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/21 09:41
L10	9	6 and "4.5V"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/10/21 09:41
S1	1	"10552920".rlan. or ("10". src. and "552920".ap.)	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2008/09/29 10:12
S2	30	((SHOICHIRO) near2 (WATANABE)).INV.	US-PGPUB; USPAT	OR	OFF	2008/09/29 10:17
S3	40	((MASATOSHI) near2 (NAGAYAMA)).INV.	US-PGPUB; USPAT	OR	OFF	2008/09/29 10:17
S4	8	((SO) near2 (KURANAKA)).INV.	US-PGPUB; USPAT	OR	OFF	2008/09/29 10:17
S5	69	S2 or S3 or S4 and (ratio same weight).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:17
S6	70	S2 or S3 or S4 and (ratio same active).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:17
S7	2	"2001351624"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:21
S8	3	"06310143"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:21
S9	4	"2002042867"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:22

S10	2	"2000348725"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:22
S11	0	"20022003553"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:22
S12	5	"2002200353"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:23
S13	2	"2002200353"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:23
S14	2	"2002200355"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:23
S15	2	"2000319398"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:23
S16	0	"420"/\$.ccls. and (lithium with battery) and ((active near2 material) with (Li with Mn with Co with Ni))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:33
S17	139	"429"/\$.ccls. and (lithium with battery) and ((active near2 material) with (Li with Mn with Co with Ni))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:33
S18	2	"20030027048"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:39
S19	1140	"429"/\$.ccls. and ((lithium with battery) and ((active near2 material) with (ratio with (capacity weight))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:45
S20	51	S17 and S19	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:46
S21	2	S20 and (anode with (intercalation))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/09/29 10:46
S22	1776	429/231.95.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/29 13:14
S23	126	S22 and (Li with Co with Mn with Ni)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/29 13:15
S24	840	S22 and ((active near2 material) with (composite mixture blend))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/29 13:29
S25	77	S24 and S23	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/29 13:29

S26	715	S22 and ((active near2 material) with (mixture blend))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/29 13:37
S27	290	((lithium near3 battery) and ((active near2 material) same (Li with Co with Mn with Ni)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/29 13:57
S28	0	S22 and ((active near2 material) with (mixtures near2 thereof))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/29 14:01
S29	0	S22 and ((active near2 material) same (mixtures near2 thereof))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/29 14:02
S30	278	S22 and ((active near2 material) same (mixtures))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/29 14:02
S31	1	"7422827"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/29 14:02
S32	287	S22 and (((positive active) near2 material) same (mixtures))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/29 14:04
S33	0	S22 and (((positive active) near2 material) same (mixtures near3 thereof))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/29 14:11
S34	0	S22 and (((cathode positive) with active with material) same (mixtures near2 thereof))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/29 14:12
S35	61	S22 and (((cathode positive) with active with material) same (Li with Co with Ni with Mn))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/29 14:13
S36	36	"429"/\$.ccls. and ((lithium with ion with batter\$3) with (charger))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/09/29 15:07
S37	30	((SHOICHIRO) near2 (WATANABE)).INV.	US-PGPUB; USPAT	OR	OFF	2008/09/29 15:20
S38	40	((MASATOSHI) near2 (NAGAYAMA)).INV.	US-PGPUB; USPAT	OR	OFF	2008/09/29 15:20
S39	8	((SO) near2 (KURANAKA)).INV.	US-PGPUB; USPAT	OR	OFF	2008/09/29 15:20
S40	29	S37 not S38	US-PGPUB; USPAT	OR	OFF	2008/09/29 15:25

S41	151	"429"/\$.ccls. and (lithium with battery) and ((active near2 material) with (Li with Mn with Co with Ni))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/16 10:21
S42	41	((MASATOSHI) near2 (NAGAYAMA)).INV.	US-PGPUB; USPAT	OR	OFF	2009/03/16 10:21
S43	31	((SHOICHIRO) near2 (WATANABE)).INV.	US-PGPUB; USPAT	OR	OFF	2009/03/16 10:21
S44	3	"2002319398"	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2009/03/16 10:27
S45	724	"429"/\$.ccls. and (((electrochemical secondary) near2 cell) (battery batteries)) and (Li with (Mn and Ni and Co)))	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2009/06/24 08:20
S46	119	S45 and (((positive near4 material) with weight) and ((negative near4 material) with weight))	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/06/24 08:49
S47	29	S45 and (((positive near4 material) with weight) and ((negative near4 material) with (weight near3 ratio)))	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/06/24 09:05
S48	62	S45 and ((positive same negative) same (weight near2 ratio))	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/06/24 09:08
S49	38317	"429"/\$.ccls. and (battery batteries ((rechargeable storage secondary non \$1aqueous) with cell))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/02 07:53
S50	7490	S49 and ((anode (negative near3 electrode)) same (graphite))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/02 07:54
S51	514	S50 and ((cathode (positive near2 (material electrode))) same (Li with Co))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/02 07:55
S52	30	S51 and ((end near3 charge) with voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/02 07:56
S53	933117	(matsushita panasonic).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/02 08:04
S54	2899	S53 and "429"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/02 08:05

S55	24	S54 and (((Positive with (electrode material)) cathode) same (Li with Mn with Co))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/02 08:05
S56	598	S54 and ((negative electrode anode) same graphite)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/02 08:05
S57	39	S56 and (Li same Co same Mn)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/02 08:06
S58	271	S56 and (weight with ratio)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/02 08:16
S59	144	S56 and ((weight with ratio) same ((positive negative cathode anode with material))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/09/02 08:16
S60	102	S56 and ((weight with ratio) same (active adj material))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/09/02 08:22
S61	145	S56 and (ratio same positive same negative)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/09/02 08:28
S62	159	S56 and (g! same ((active electrode) with material))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/09/02 08:30
S63	10	"1295851"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/09 13:54
S64	10	"1324418"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/09 13:55
S65	933584	(matsushita panasonic).as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/09 13:55
S66	2899	S65 and "429"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/09 13:55
S67	598	S66 and ((negative electrode anode) same graphite)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/09/09 13:55
S68	145	S67 and (ratio same positive same negative)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/09/09 13:55
S69	2115	429/231.95.cccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/16 10:55
S70	165	S69 and (Li with Co with Mn with Ni)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/16 10:55

S71	39948	"429"/\$.ccls. and (battery batteries ((storage secondary rechargeable nonaqueous) near4 cell))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/09/21 08:25
S72	40247	"429"/\$.ccls. and (battery batteries ((storage secondary rechargeable nonaqueous) near4 cell))	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 08:25
S73	40247	"429"/\$.ccls. and (battery batteries ((storage secondary rechargeable nonaqueous) near4 cell))	US-PGPUB; USPAT; USOCR	OR	ON	2010/09/21 08:29
S74	3736	S73 and ((lithium with cobalt\$3) with oxide)	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2010/09/21 08:29
S75	639	S74 and (Li with Co with (Ni Mg Al Sr Mn Ni Ca))	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2010/09/21 08:29
S76	11	S74 and ("LiCo.sub.0.95")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/09/21 08:38
S77	14	S73 and ("LiCo.sub.0.95")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/09/21 08:40
S78	3	S77 not S76	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/09/21 08:40
S79	12	S74 and "Li.sub.xCo.sub.1-yM.sub.yO.sub.2"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/09/21 08:41
S80	42028	"429"/\$.ccls. and (battery batteries ((storage secondary rechargeable nonaqueous) near4 cell))	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/02 08:11
S81	4021	S80 and ((lithium with cobalt\$3) with oxide)	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2011/03/02 08:11
S82	12	S81 and "Li.sub.xCo.sub.1-yM.sub.yO.sub.2"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/03/02 08:11
S83	720	S81 and (Li with Co with (Ni Mg Al Sr Mn Ni Ca))	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2011/03/02 08:12

### EAST Search History (Interference)

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